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PATENT ABSTRACTS OF JAPAN(21) Application number: **10174921**(51) Intl. Cl.: **B01D 21/02 B01D 21/08 B01D 21/24 B01D 29/64 C02F 11/14**(22) Application date: **22.06.98**

(30) Priority: 11.08.97 JP 09216589	(71) Applicant: EBARA CORP
(43) Date of application publication: 27.04.99	(72) Inventor: HAGINO TAKAO GODA SHOICHI NAKAJIMA MUTSUO
(84) Designated contracting states:	(74) Representative:

**(54) CONCENTRATION
TYPE FLOCCULATING
REACTOR**

(57) Abstract:

PROBLEM TO BE SOLVED: To continuously keep stable concentration efficiency of a concentration type flocculating reactor in which a concentrating screen is disposed by making the direction of the slit mesh of the concentrating screen horizontal and arranging rotating scrapers along near both the primary and secondary sides of slits.

SOLUTION: Relating to a mechanism for preventing the blinding of slits formed of spaces between wedge wires and support bars in a concentrating screen 1, a double scraper 18 is disposed, and this double scraper 18 is formed in the shape of primary and secondary side scrapers 20, 21 joined. And in the case that a part of the flocculated product concentrated in a flocculating reaction tank 12 causes clogging on the primary side of the slits, the secondary side scraper 21 is subjected

to circular motion preceding the primary side scraper 20 and when the secondary scraper 21 is passed, separated water near the scraper is pressed against tie slit secondary side face Next, immediately after the flocculated product floats to the top, it is removed from the slit primary side surface by the primary side scraper 20.

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